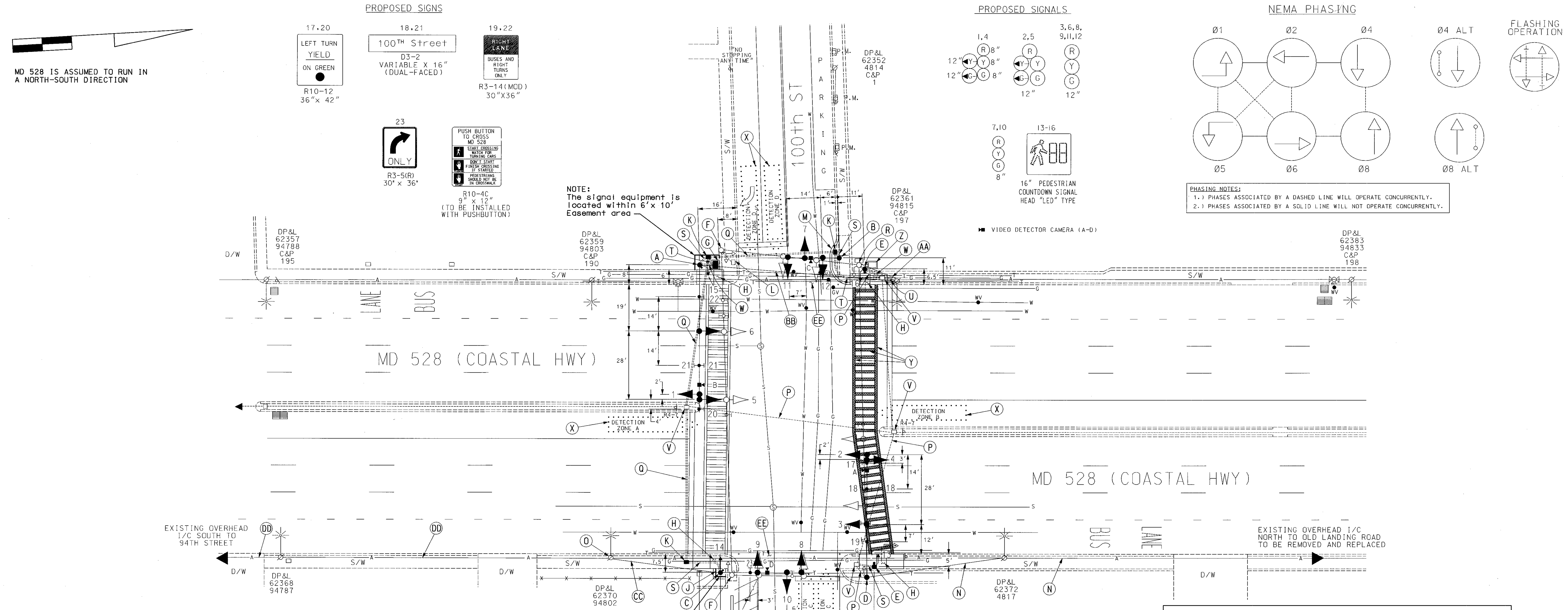

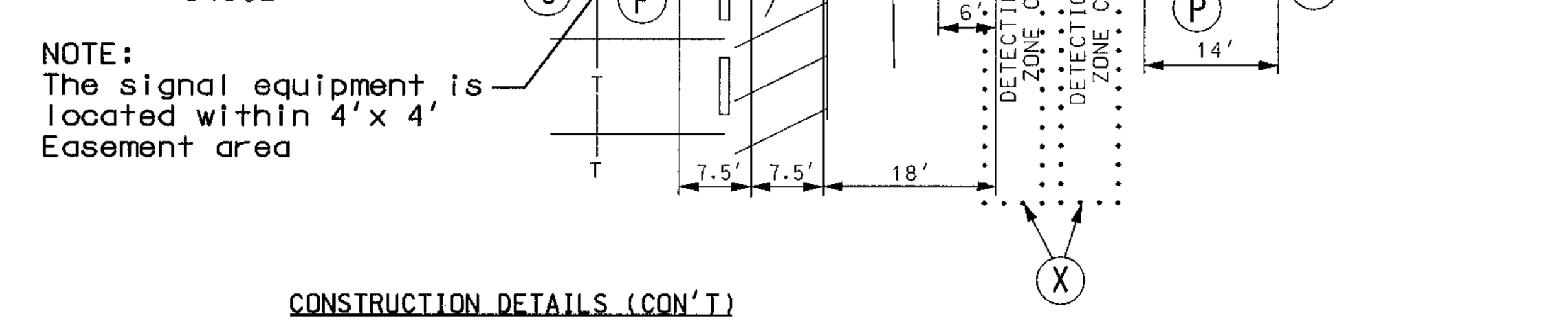

CONSTRUCTION DETAILS

A. Install 21' steel pole with a special 15' "T" dimension 60' mast arm, traffic signal heads, one video detector cameras, signs, pedestrian signal head, pushbutton and pedestrain education sign and electrical utility service equipment as shown. (Note: 1-2" and 1-3" 90° PVC (Schedule 80) bends).

B. Install 16' steel pole with a special 15' "T" dimension 38' mast arm, traffic signal heads and video detector camera as shown. (Note: 1-3" 90° PVC (Schedule 80)

C. Install 21' steel pole with a special 15' "T" dimension 38' mast arm, traffic signal heads, sign, video detector camera, pedestrian signal head and pushbutton with pedestrian education sign as shown. (Note: 1-3" 90° PVC (Schedule 80) bend.

D. Remove existing steel strain pole and all existing equipment. Install 21' steel pole with a special 15' "T" dimension 50' mast arm onto existing foundation, traffic signal heads, video detector camera and sign as shown.

E. Install 10' breakaway pedestal pole with transformer base, pedestrian signal head, pushbutton and pedestrian education sign as shown. (Note: 1-3" 90° PVC (Schedule 80) bend.)

F. Remove existing signal structure, all attached equipment and foundation 12" below grade.

G. Install eight-phase Master/Local solid state digital controller with all necessary equipment housed in NEMA size "6" base-mounted cabinet.

H. Remove existing curb and gutter and install depressed curb and gutter, remove concrete sidewalk for the installation of signal equipment and install ADA compliant ramp with detectable warning surface as shown.

J. Remove existing landscape timbers and replace to border 4'x 4' easement area around proposed signal pole.

K. Install handhole.

L. Remove existing handhole.

M. Remove existing curb and gutter (20') and install bump-out 3' into street and 20' long as shown. Install sidewalk after the installation of the proposed signal equipment.

N. Remove existing overhead interconnect cable north to Old Landing Road and replace in kind using existing wood poles and reroute to mast arm pole and underground to cabinet.

O. Pull back existing interconnect cable from cabinet to this pole and coil. Reroute overhead to new signal pole and route underground to new cabinet.

P. Use existing conduit

Q. Install 4" polyvinyl chloride (Schedule 80) electrical conduit (slotted).

R. Remove all signal equipment from existing steel strain pole, maintain existing Ocean City sprinkler system cabinet and cut pole to 11' height.

S. Install 3" polyvinyl chloride (Schedule 80) electrical conduit (trenched).

CONSTRUCTION DETAILS (CON'T)

T. Install 4" polyvinyl chloride (Schedule 80) electrical conduit (trenched).

U. Install 2" polyvinyl chloride (Schedule 80) electrical conduit (trenched) from wood pole base to adjacent handhole for telephone drop.

V. Use existing handhole.

W. Install 2" polyvinyl chloride (Schedule 80) electrical conduit (trenched).

X. Proposed video detection area.

Y. Install 12" white heat applied thermoplastic pavement marking (crosswalk with cross hatching).

Z. Remove existing base-mounted cabinet.

AA. Remove overhead electrical service.

BB. Proposed overhead electrical service to be installed by Conectiv Power.

CC. Relocated overhead 12-pair interconnect cable.

DD. Existing overhead 12-pair interconnect cable to remain.

EE. Install 10' wide crosswalk with crosshatching across sidestreet beginning at the extension of the face of curb. (Not shown on plan for clarity reasons.)

GENERAL NOTES:

1. This plan reflects only those underground utilities that were apparent at the time of this location being asbuilt. A detailed review was not undertaken and this plan should not be construed as representing all underground utilities in the area.
2. Unless otherwise noted the right of way line is assumed to be at the back edge of the sidewalk.
3. All pavement markings detailed are proposed and are to be installed in accordance with SHA standards.
4. This traffic signal was designed on the premise that the existing signal will be removed prior to the construction of the proposed signal. Temporary "STOP" signs shall be placed at the intersection during construction.
5. All Traffic Signal Foundations shall be installed at the Final Sidewalk or Curb grade for closed sections. Highest Roadway Profile Grade for open sections, to meet clearances as specified in MD 816.03, MD 818.01, MD 818.02, and MD 818.04 The contractor shall verify ultimate grades prior to the installation of all signal equipment.
6. Existing handholes and conduits not detailed are to remain.

GEOMETRIC LEGEND	
PROPOSED	———
EXISTING	- - - -

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES	
AERIAL CABLE	—A—
ELECTRIC	—E—
TELEPHONE	—T—
GAS	—G—
SEWER	—S—
WATER	—W—
CABLE TV	—TV—

REVISION "A"
STREET TRAFFIC STUDIES, LTD.
400 Crain Hwy., N.W. Glen Burnie, MD 21061
Ph (410) 590-5500 Fax (410) 590-6637
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REVISIONS
(A) 11-4-04 REBUILD SIGNAL USING MAST ARMS SHA NO.: AT3555185
RRZ

APPROVALS — ORIGINAL ON FILE
TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
DIRECTOR, TRAFFIC & SAFETY

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION

MD 528 @ 100th St

CW#: WO421A33/D33 TOD#: AT365-05

DRAWN BY:	M.KAPLAN	F.A.P. NO.		TS NO. 1269	SHEET NO.
CHECKED BY:		S.H.A. NO.			1 OF 2
SCALE:	1" = 20'	COUNTY:	Worcester	T.I.M.S. NO. G399	
DATE:	JUNE 25,1976	LOG MILE:	23052802.73		

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